

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO
FISCHER QUARRIES, L.L.C.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 13 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Amendment

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Pettis	17	46N	21W	0	13	68	Dunham Quarry	0941

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 28th day of July 2004



DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0726 A-1

Effective Date 07/28/2004

Expiration Date 12/02/2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

RECEIVED

JUN 17 2004

Permit 0726

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Fischer Quarries, LLC		DATE 06/02/04	
ADDRESS 2300 Clinton Road	CITY Sedalia	STATE MO	ZIP CODE 65301
CONTACT PERSON Joseph M. Fischer		TELEPHONE NUMBER 660-826-3122	

CHECK ANY THAT APPLY

☐ New Permit ☒ Permit Amendment ☒ Permit Revision ☐ Permit Expansion

SITE NAME OR NUMBER	ACREAGE	LOCATION:
		COUNTY, SECTION, TOWNSHIP, RANGE (EAST OR WEST)
1. Dunham Quarry	13*	Pettis County, Section 17, T46N, R21W
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.	* New Permit Acres	
16.	Total permitted acres: 68.00	
17.		
18.		
19.		
20.		

ATTACH ADDITIONAL SHEETS IF NECESSARY

SIGNATURE OF APPLICANT Joseph M. Fischer		TITLE President	DATE 6/8/04
Appeared before me this 8th day of June , 20 04 , Joseph M. Fischer to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSE	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Pettis	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 8th DAY OF June YEAR 2004		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE Virginia L. Hayslip	MY COMMISSION EXPIRES 2/22/07	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Virginia L. Hayslip		
FOR THE ONLY APPROVED BY Clark Reed		DATE APPROVED 7/19/04	PERMIT NUMBER 0726 EXPIRATION DATE 12/2/04



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES
FEES AND BONDING WORKSHEET

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P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL

Fischer Quarries, LLC

MISSOURI LAND

DATE

06/02/04

FEES: COMPLETE SECTION I OR SECTION II

RECLAMATION COMMISSION

SECTION I. FEES: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six months per permit year pay \$150
		For sites operated six months or more per permit year pay \$300
Dunham Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ N/A
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ will submit
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ site fee at
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ time of
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ renewal
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE ▶		\$ 0.00

2. Acreage fee \$5 X 13 Number of acres bonded \$ 65.00

3. Annual permit fee \$ 500 N/A will submit permit fee at time of renewal
4. Total Fee (Add Totals from 1, 2 and 3). \$ 65.00
NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500 N/A

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual permit fee \$ 300

III. BONDING - for all except in-stream mine sites:

A. For sand and gravel operators mining less than 5,000 tons/year:

Number of new acres _____ X \$500 per acre \$ _____

B. For ALL other open pit operations:

Minimum per permit \$ 8,000

Acreage over eight acres 60 X \$500 per acre \$ 30,000

TOTAL BONDING REQUIRED \$ 38,000

☒ Check here if adequate bonding is already posted.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

Complete this form for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Dunham Quarry		PERMIT NUMBER 0726
COMPANY Fischer Quarries, LLC		
COUNTY Pettis	1/4 SECTION NW	SECTION 17
TOWNSHIP 46N	RANGE 21 W	ACRES 134.00
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) William D + Lorine C. Dunham Trust		
ADDRESS 21215 Mittelhauser Road		
CITY Sedalia	STATE MO	ZIP CODE 65301
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 4/24/96
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Fischer Quarries, LLC		
ADDRESS 2300 Clinton Road		
CITY Sedalia	STATE MO	ZIP CODE 65301
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 4/24/96
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL		
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED

JUN 17 2004

MISSOURI LAND RECLAMATION COMMISSION
JEFFERSON CITY, MO 65102-0176
P.O. BOX 176

COMPANY NAME

Fischer Quarries, LLC - Dunham Quarry

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 09/30/2026

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Of the land positioned north of Mittelhauser Road, the western one-third is characterized by grassy, rolling hills with some trees. Soil is generally poor. Within that area is approximately 7.75 acres that were mined in the 1950s and never reclaimed. Directly north is approximately 5.25 acres that were used for an overburden spoil area. The floor of the old mining site is level and largely devoid of vegetation and the entire perimeter comprised of steep cliffs. The east two-thirds of the land positioned north of Mittelhauser Road is open field with a very gentle gradient. Soil in this area is characterized as fair. The southern-most acreage in the Long Term Mine Plan, south of Mittelhauser Road, is characterized by steep slopes, poor vegetation comprised of scrub and trees, and poor topsoil.

A haul road, trending northwest-southeast, traverses the southwest quarter of the Long Term Mine Plan and a county road, trending north-south, runs down the center. A settling pond is immediately adjacent to the northern terminus of the haul road.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

1-3

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Trees will be removed via a bulldozer with the light vegetation and topsoil carefully removed with scrapers.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Scrapers will place topsoil in stockpiles within the permit area. As the active mining area is expanded, additional topsoil will be stockpiled. Topsoil stockpiles will be graded and seeded to protect against erosion.

PERMIT NO.

0726

SITE NUMBER/NAME

Dunham Quarry

B. SPOIL

JUN 17 2004

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Overburden, removed below the topsoil and above the cap rock, will be stockpiled within permit areas. The abandoned spoil area will eventually be covered with overburden and graded to traversable slopes. As excavation of the ledge proceeds, some spoil will be utilized to backfill the faces to traversable slopes.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The pit will be mined to the north starting at the remaining, northernmost cliff face of the old abandoned mining site. Mining will then proceed east, to the edge of the Long Term Mine Plan, and then to the south until completion of formation removal.

YES NO



Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?



Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)



Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "YES", a safety barrier may be needed.)

PERMIT NO.

0726

SITE NUMBER/NAME

Dunham Quarry

JUN 17 2004

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND
RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Late Summer/early Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first optimum seeding period, topsoil replacement seed mix will be broadcast and harrowed on portions of the Long Term Mine Plan intended to be reclaimed as pasture.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
fescue grass	24	N/A	N/A

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO.

0726

SITE NUMBER/NAME

Dunham Quarry

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B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

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MISSOURI LAND
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Previously mined areas and mined out portions of the Long Term Mine Plan targeted for pasture will be backfilled with spoil and gently sloped to an approximate 30% grade. Level floor produced by the extraction of the horizontal limestone formation, will be utilized as an industrial location in the future. A water impoundment is planned in the northeast quarter of the Long Term Mine Plan.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading on abandoned spoil areas will be completed and then continue as active pit areas are mined to the allowable boundaries. Final grading will be completed within one year of permit expiration on all pasture areas.

REPLACEMENT OF TOPSOIL

Topsoil, or a combination of other media capable of sustaining vegetation, will be replaced to a uniform depth of 12 inches within 1 year of permit expiration on all areas targeted for pasture. Topsoil is defined as a blend of available topsoil and clay.

REVEGETATION

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

44

Development (residential, industrial, and recreational)

63

Water impoundments (for wildlife, agriculture, or development)

7

PERMIT NO.

0726

SITE NUMBER/NAME

Dunham Quarry

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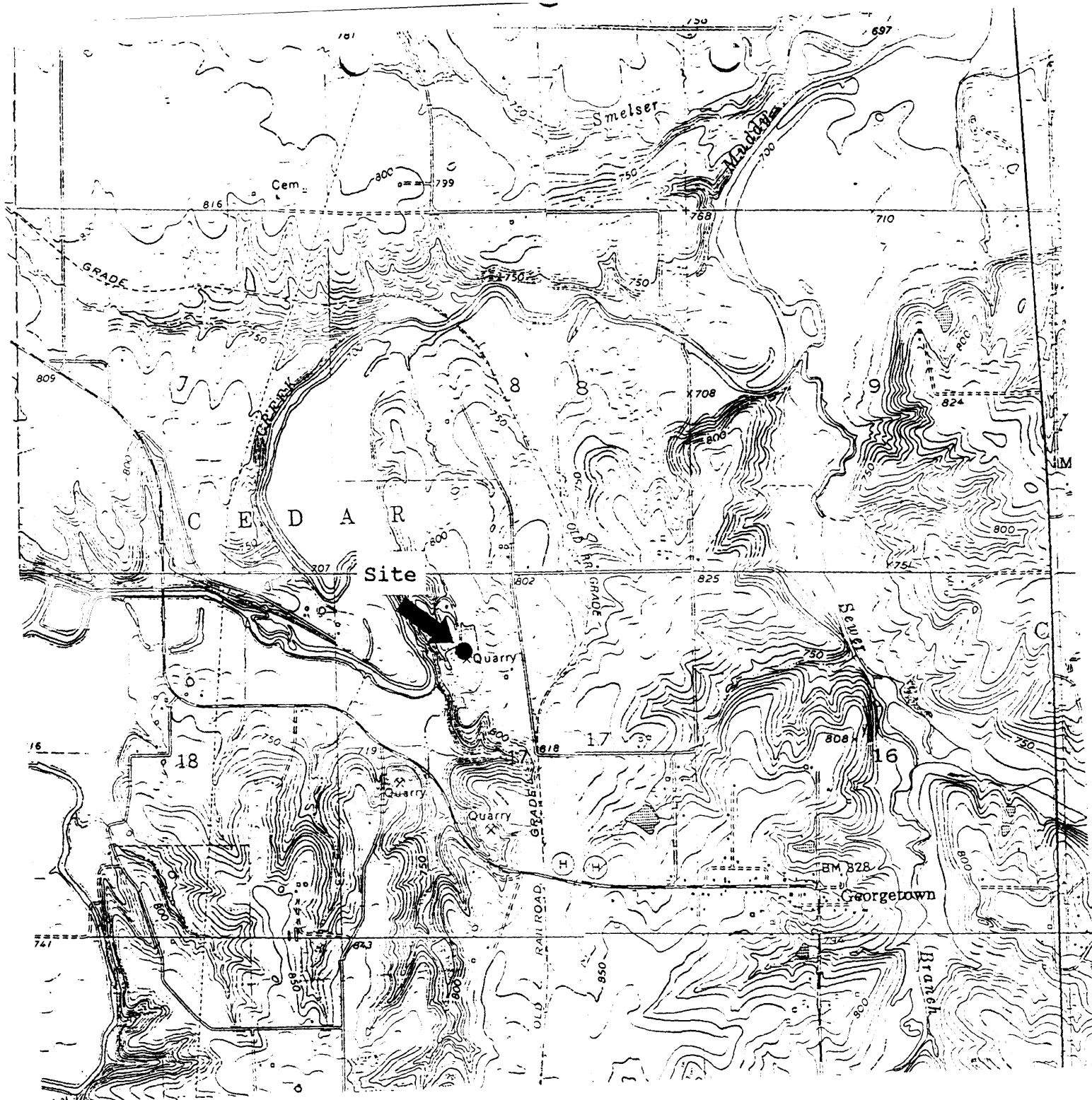
JUN 17 2004

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By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Joseph M. Fischer</i>		TITLE <i>President</i>	DATE <i>6/8/04</i>
NOT VALID UNLESS NOTARIZED	NOTARY PUBLIC EMBOSSEMENT	STATE <i>Missouri</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>8th</i> DAY OF <i>June</i> YEAR <i>2004</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Pettus</i> USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <i>Virginia L. Haystip</i>		
	MY COMMISSION EXPIRES <i>02/22/07</i>		
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Virginia L. Haystip</i>			
FOR DEPARTMENT USE ONLY			
APPROVED BY <i>[Signature]</i>		DATE APPROVED <i>7/19/04</i>	PERMIT NUMBER <i>0726</i>
PERMIT NO. <i>0726</i>		SITE NUMBER/NAME <i>Dunham Quarry</i>	



Fischer Quarries - Dunham Quarry

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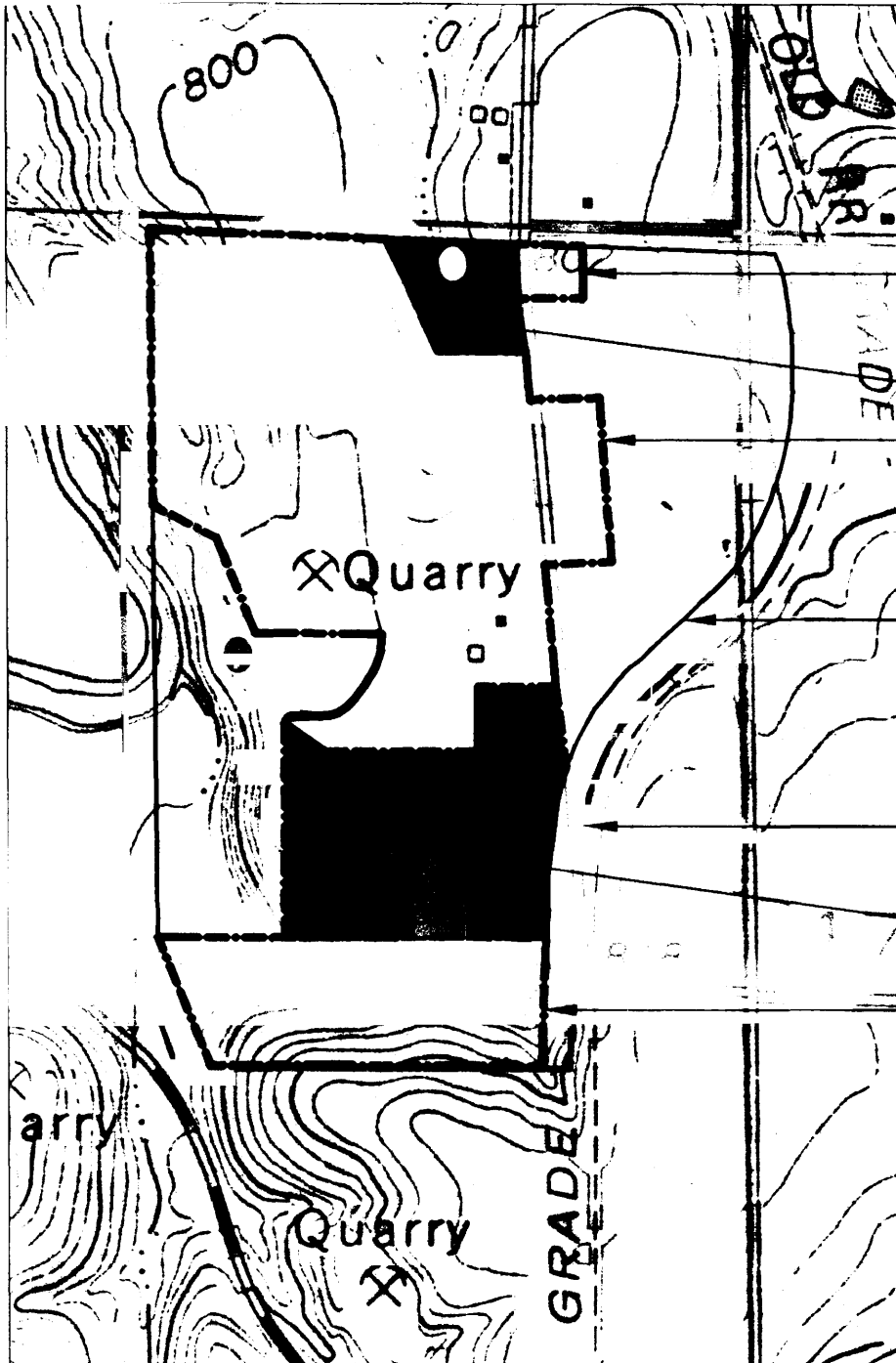
Pettis County
SE 1/4, NW 1/4, Section 17
T46N, R21W

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Scale 1:24000





Current Permit Acres = 1.00

New Permit Acres = 2.20

Current Permit Acres = 39.27

Long Term Mine Plan
114.00 Acres

Lease Boundary
134.00 Acres

New Permit Acres = 10.64

Current Permit Acres = 14.00

Scale: 1"=650'
Prepared by: H. Paustian
05-18-03

Fischer Quarries - Dunham Quarry Pettis County

● = Settling Pond

SE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 17
T46N, R21W

Detail Map

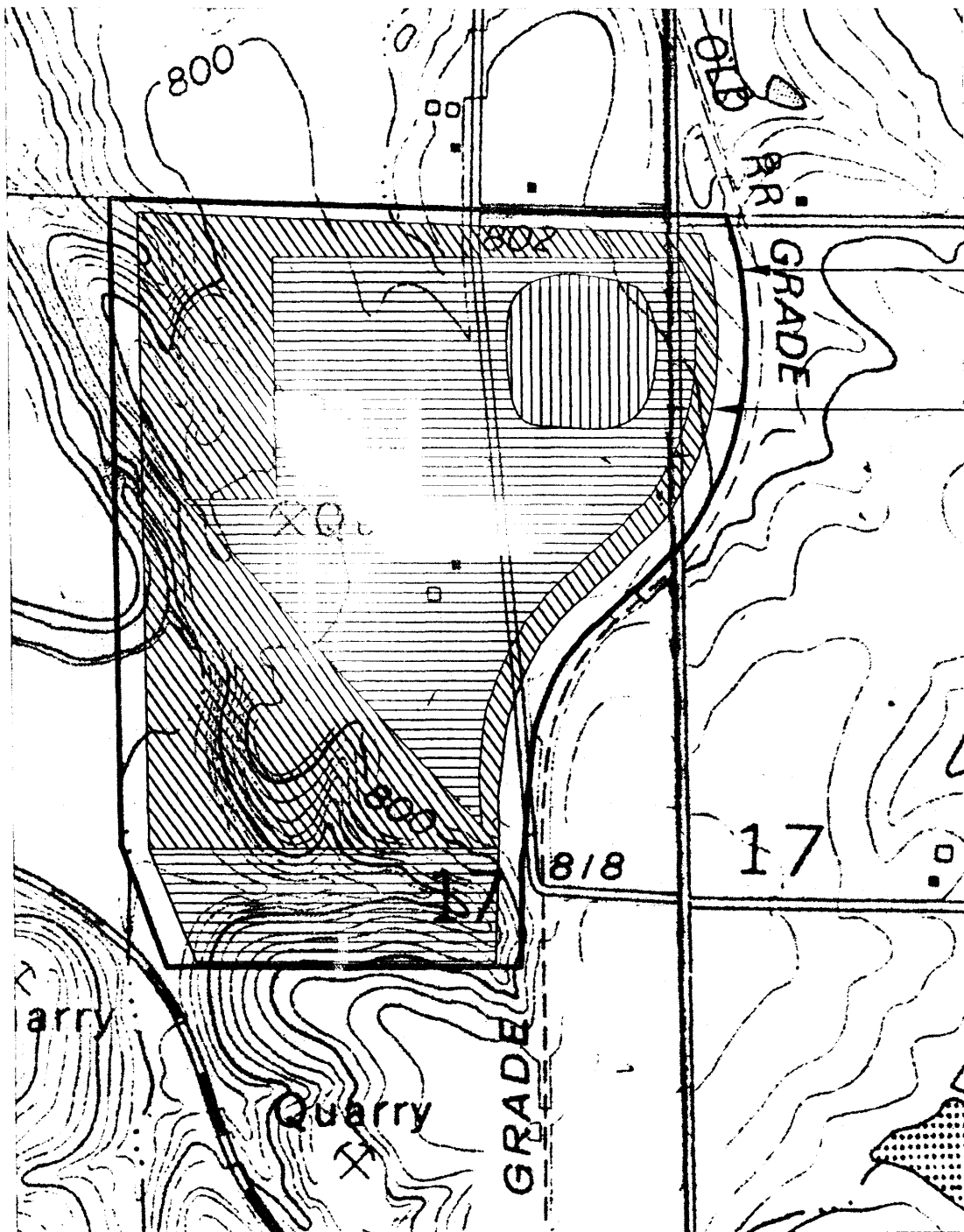
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Lease Boundary
134.00 Acres

Long-term Mine
Plan Boundary
114.00 Acres

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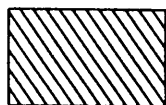
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Scale 1"=650'
Prepared by: H. Paustian
05-18-04

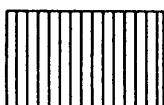
Fischer Quarries - Dunham Quarry Pettis County

SE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 17
T46N, R21W

Legend
Post Mining Land Use
Permit #0726



Pasture
44 Acres



Water
Impoundment
7 Acres



Industrial
63 Acres

